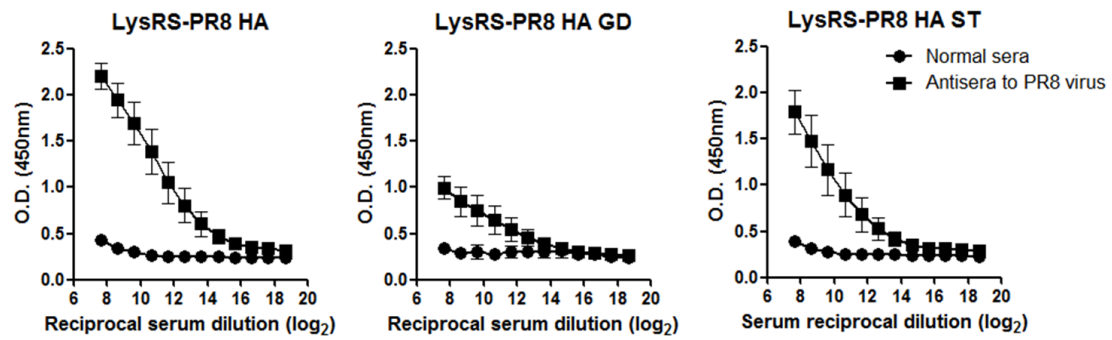
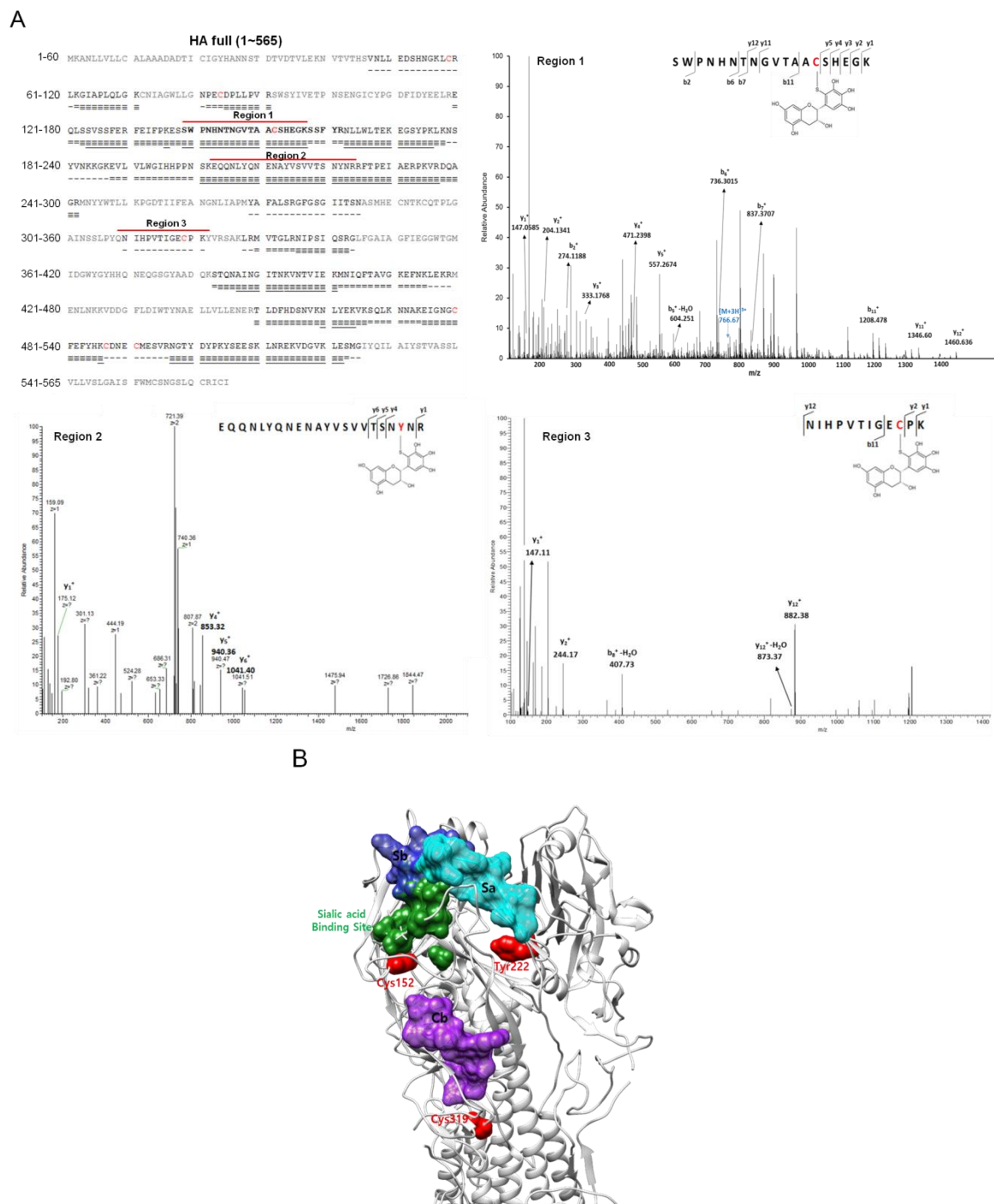


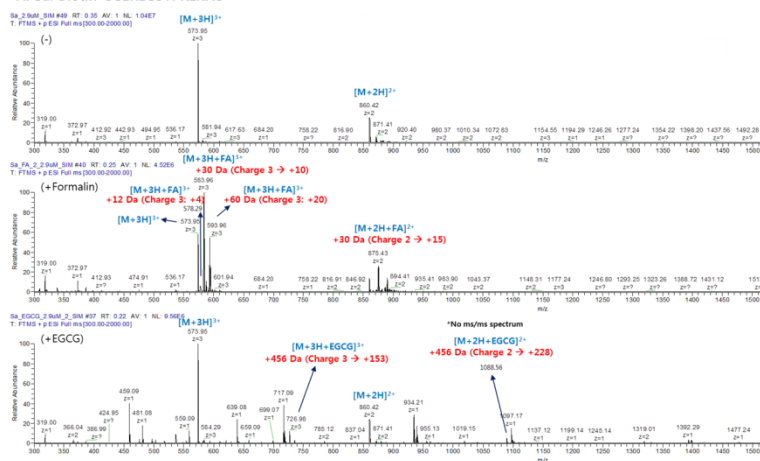
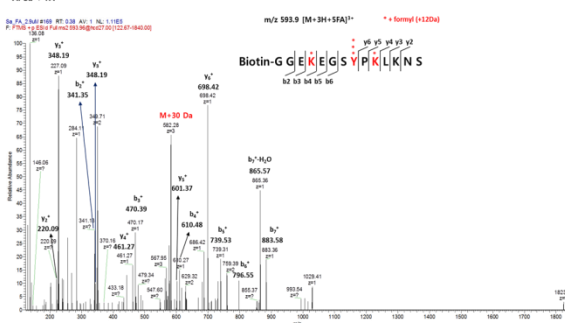
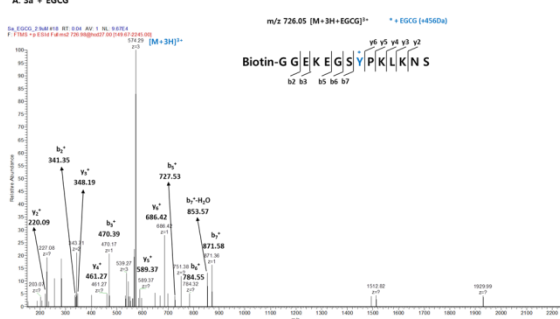
Supplementary Figure S1. Chemical structures of green tea catechins. Structures of epicatechin (EC), epigallocatechin (EGC), epicatechin-3-gallate (ECG), and epigallocatechin-3-gallate (EGCG) are shown.



Supplementary Figure S2. E.coli-expressed HA proteins strongly bound to antisera to PR8 virus. 96-well plates were coated with E.coli-expressed PR8 HA full-length, globular domain, and stalk proteins, and two-fold serial dilutions of mice normal sera ($n = 3$) or antisera to PR8 virus ($n = 5$) were added to the wells to measure specific IgG antibody binding to each protein by ELISA. Data are the mean of each cohort.



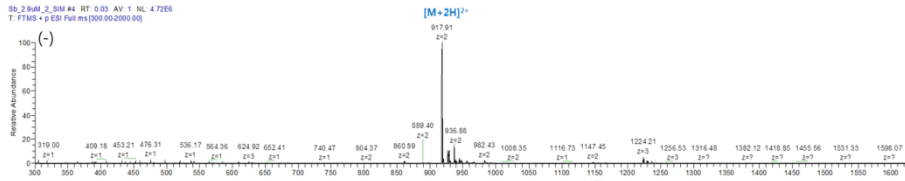
A. Sa: Biotin-GGEKEGSYPKLKNS

A. $S_{\text{a}} + \text{FA}$ A. $S_{21} + EGCG$ 

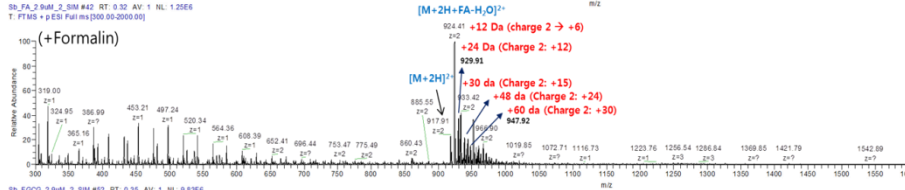
B

B. Sb: Biotin-GGNSKEQQNLYQNE

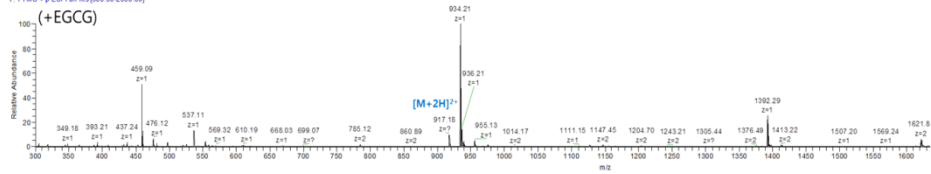
Sb_2 9uM_2 SIM #4 RT: 0.03 AV: 1 NL: 4.7269
T: FTMS + p ESI Full ms [200.00-2000.00]



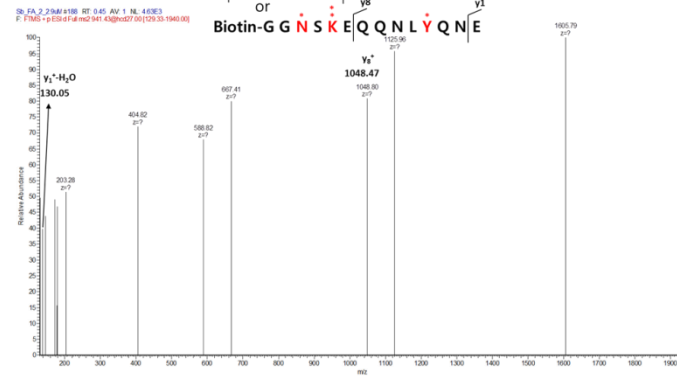
Sb_FA_2 9uM_2 SIM #42 RT: 0.32 AV: 1 NL: 1.2566
T: FTMS + p ESI Full ms [200.00-2000.00]



Sb_EGCG_2 9uM_2 SIM #52 RT: 0.35 AV: 1 NL: 9.8366
T: FTMS + p ESI Full ms [200.00-2000.00]

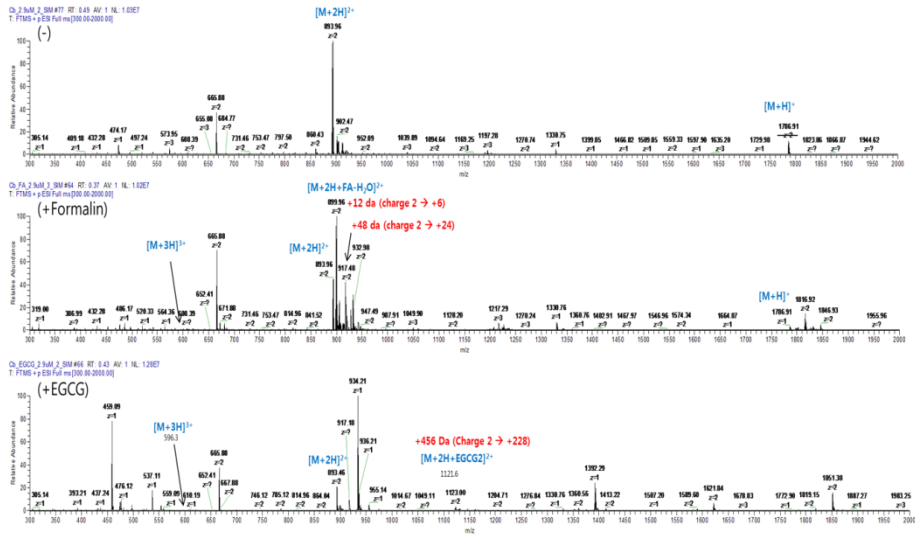


B. Sb + FA

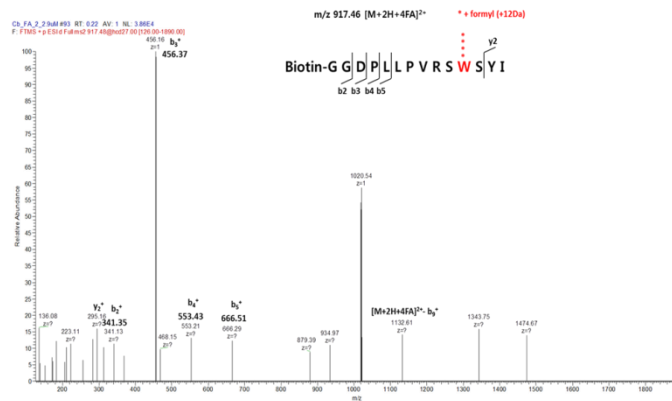


C

C. Cb: Biotin-GGDPLLPVRSWYI



C. Cb + FA



Supplementary Figure S4. Mass analysis of influenza HA epitopes treated with FA or EGCG. 750 μ M of each peptide were mixed with 0.15% of FA or EGCG and incubated for 24 h at 37 $^{\circ}$ C. To determine EGCG binding residues, mass analysis of FA- or EGCG-treated Sa (156–167) (A), Sb (187–198) (B), and Cb (77–82) (C) peptides were performed by direct infusion-SIM and direct infusion-MS/MS methods